Solar Energy Enclosures

www.crenlo.com/enclosures  |  507-287-3535

- Inverter Enclosures
- Combiner Boxes
- DC Disconnect Boxes
- Inverter Housings

We see enclosures differently.™
Crenlo’s solar market enclosures are designed and manufactured with the system integrator in mind, using the highest quality components to ensure long-term field reliability. All products are assembled in our plant in Rochester, MN and we guarantee customer satisfaction.

Solar Energy Enclosures

Inverter Enclosures

Design Considerations:
Environmental Controls
- UL 1741
- Air-flow and cooling
- NEMA 3R / 4 and 12 sealing
- E-coat anti-corrosion
- EMI/RFI shielding
- Snow load & Seismic considerations

Access Control
- Integral locks
- Safety fasteners
- Pad-Locks
- Internal releases

Overall Footprint
- French doors to minimize door swing
- Locks to hold doors open in high wind

Installation
- Lifting options for crane or helicopter
- Forklift considerations
- Pad/Floor tie downs
- Leveling

Equipment Access From Multiple Sides
- Removable panels
- High capacity slides
- Weight of doors and panels
- Human & Ergonomic Factors

Why Crenlo:

In the dynamic and increasingly automated world of energy production, protection of vital components requires a number of new considerations. For that reason, it is important to select a manufacturer that is capable of supporting the market evolution with their manufacturing capacity and custom design capabilities. Crenlo meets that description with their line of custom enclosures.
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Design Considerations:
• NEMA 3R/4 and 12 sealing
• E-coat anti-corrosion
• Galvanized or Galvaneal / Aluminum
• Cooling
• Wire management & protection
• Mounting points for a variety of hardware solutions

Design Considerations:
• UL
• Integration with inverter
• Displays
• NEMA 3R / 4 and 12 sealing
• Color / finish
• Multiple control/switch/lever options

Design Considerations:
• Safety & security
• Wiring management & protection
• Solar shield for inverter cooling
• Ease of installation

Custom Design Capabilities
Our capabilities include everything from initial consulting to implementation of all aspects important to custom inverter protection:
• Aesthetics
• Airflow/cooling
• Weatherproofing
• Serviceability
• EMI/RFI shielding
• Finite element analysis
• Thermodynamic analysis

Manufacturing Capabilities
We have the capabilities to support the evolving technological landscape of the energy market.
• 60-year history of enclosure manufacturing
• State-of-the-art facilities
• In-house e-coating and powder paint
• Materials and an operations strategy that accommodates cost-effective production of highly custom and low-volume solutions
Crenlo’s Enclosure Product Portfolio

Standard Enclosures

ESQ  FP1  FP2  10 Series®  Wall Mount

Custom Enclosures

Inverter Enclosure  Kiosk  Video Wall  Package Drop Box